

Lasers, Detectors and Timers Session Summary

Chairs: Ivan Prochazka, Yuriy Artyukh

The session on Lasers, Detectors and Timers included a review on commercially available kHz diode pumped lasers, and descriptions of a new high voltage Pockels cell driver for kHz SLR lasers, a new saturable absorber for laser transmitters, and a promising narrow-band holographic filters for ranging receivers. A new version of the Riga timer with improved resolution was introduced along with a presentation in the integration of Riga timers into Chinese SLR systems. The design for a commonly used TDC chips for high-speed event timers was presented as were the design and construction of a compact event timing and laser fire control device for one-way laser ranging and a new, sub-picosecond timing device. A new photon counting detectors for future space missions was also presented.